

May 2, 2001

Mr. Joseph A. LaManna
DaimlerChrysler Corporation
Kokomo Transmission Plant
2401 South Reed Road
Kokomo, Indiana 46904

Re: 067-14232-00065
Minor Source Modification to:
Part 70 permit No.: T067-6504-00065

Dear Mr. LaManna:

DaimlerChrysler Corporation was issued Part 70 operating permit T067-6504-00065 on September 1, 1999 for operation of aluminum parts casting and the manufacture of various parts for automobile and light duty truck transmissions. An application to modify the source was received on April 4, 2001. Pursuant to 326 IAC 2-7-10.5 the following emission units are approved for construction at the source:

Activities or categories not previously identified with emissions less than or equal to insignificant thresholds:

Machining operation consisting of one hundred and five (105) wet machines, identified as Wet Mach, and each machine with maximum air flow rate of 750 actual cubic feet per minute (acfm).

The following construction conditions are applicable to the proposed project:

1. General Construction Conditions
The data and information supplied with the application shall be considered part of this source modification approval. Prior to any proposed change in construction which may affect the potential to emit (PTE) of the proposed project, the change must be approved by the Office of Air Management (OAM).
2. This approval to construct does not relieve the permittee of the responsibility to comply with the provisions of the Indiana Environmental Management Law (IC 13-11 through 13-20; 13-22 through 13-25; and 13-30), the Air Pollution Control Law (IC 13-17) and the rules promulgated thereunder, as well as other applicable local, state, and federal requirements.
3. Effective Date of the Permit
Pursuant to IC 13-15-5-3, this approval becomes effective upon its issuance.
4. Pursuant to 326 IAC 2-1.1-9 and 326 IAC 2-7-10.5(i), the Commissioner may revoke this approval if construction is not commenced within eighteen (18) months after receipt of this approval or if construction is suspended for a continuous period of one (1) year or more.

5. All requirements and conditions of this construction approval shall remain in effect unless modified in a manner consistent with procedures established pursuant to 326 IAC 2.
6. Pursuant to 326 IAC 2-7-10.5(l) the emission units constructed under this approval shall not be placed into operation prior to revision of the source's Part 70 Operating Permit to incorporate the required operation conditions.

The source may begin construction and operation when the minor source modification has been issued. Operating conditions shall be incorporated into the Part 70 operating permit as a minor permit modification in accordance with 326 IAC 2-7-10.5(l)(2) and 326 IAC 2-7-12.

This decision is subject to the Indiana Administrative Orders and Procedures Act - IC 4-21.5-3-5. If you have any questions on this matter please contact Adeel Yousuf, c/o OAQ, 100 North Senate Avenue, P.O. Box 6015, Indianapolis, Indiana, 46206-6015, or call (973) 575-2555, ext. 3252 or dial (800) 451-6027, press 0 and ask for 3-6878.

Sincerely,

Paul Dubenetzky, Chief
Permits Branch
Office of Air Management
Original Signed by Paul Dubenetzky

Attachments
AY/EVP

cc: File - Howard County
U.S. EPA, Region V
Howard County Health Department
Air Compliance Section Inspector - Ryan Hillman
Compliance Data Section - Karen Nowak
Administrative and Development - Janet Mobley
Technical Support and Modeling - Michele Boner

PART 70 MINOR SOURCE MODIFICATION

OFFICE OF AIR QUALITY

DaimlerChrysler Corporation
2401 South Reed Road
Kokomo, Indiana 46904

(herein known as the Permittee) is hereby authorized to construct and operate subject to the conditions contained herein, the emission units described in Section A (Source Summary) of this approval.

This approval is issued in accordance with 326 IAC 2 and 40 CFR Part 70 Appendix A and contains the conditions and provisions specified in 326 IAC 2-7 as required by 42 U.S.C. 7401, et. seq. (Clean Air Act as amended by the 1990 Clean Air Act Amendments), 40 CFR Part 70.6, IC 13-15 and IC 13-17.

Operation Permit No.: 067-6504-00065	
Issued by: Janet G. McCabe, Assistant Commissioner Office of Air Quality	Issuance Date: September 1, 1999
1 st Administrative Amendment 067-11399-00065	Issuance Date: November 9, 1999
2 nd Administrative Amendment 067-11981-00065	Issuance Date: April 27, 2000
3 rd Administrative Amendment 067-13661-00065	Issuance Date: March 26, 2000
1 st Significant Source Mod. 067-12243-00065	Issuance Date: January 4, 2001
First Minor Source Modification: 067-14232-00065	Pages Affected: 7, 11, 53 Pages added: 53f
Issued by: Original Signed by Paul Dubenetzky Paul Dubenetzky, Branch Chief Office of Air Quality	Issuance Date: May 2, 2001

SECTION A

SOURCE SUMMARY

This permit is based on information requested by the Indiana Department of Environmental Management (IDEM), Office of Air Quality (OAQ). The information describing the source contained in conditions A.1 through A.3 is descriptive information and does not constitute enforceable conditions. However, the Permittee should be aware that a physical change or a change in the method of operation that may render this descriptive information obsolete or inaccurate may trigger requirements for the Permittee to obtain additional permits or seek modification of this permit pursuant to 326 IAC 2, or change other applicable requirements presented in the permit application.

A.1 General Information [326 IAC 2-7-4(c)] [326 IAC 2-7-5(15)]

The Permittee owns and operates machining, cleaning, and heat treating facilities to produce transmissions for use in automobiles and light duty trucks. The DaimlerChrysler Corporation Kokomo Transmission Plant and DaimlerChrysler Corporation Kokomo Casting Plant have been considered a single Title V major source. The combined source ID for the source is 067-00065.

Responsible Official: Joseph A. LaManna
Source Address: DaimlerChrysler Corporation Kokomo Transmission Plant
2401 S. Reed Road, Kokomo, Indiana 46904
Source Address: DaimlerChrysler Corporation Kokomo Casting Plant
1001 East Boulevard, Kokomo, Indiana 46904
Mailing Address: DaimlerChrysler Corporation, P.O. Box 9007
Kokomo, Indiana 46904-9007
SIC Code: 3714
County Location: Howard
County Status: Attainment for all criteria pollutants
Source Status: Part 70 Permit Program
Major Source, under PSD
Major Source, Section 112 of the Clean Air Act

A.2 Emission Units and Pollution Control Equipment Summary [326 IAC 2-7-4(c)(3)] [326 IAC 2-7-5(15)]

The Permittee owns and operates machining, cleaning, and heat treating facilities to produce transmissions for use in automobiles and light duty trucks. The DaimlerChrysler Corporation Kokomo Transmission Plant and DaimlerChrysler Corporation Kokomo Casting Plant have been considered a single Title V major source. The DaimlerChrysler Corporation Kokomo Casting Plant was issued a separate Title V permit under the Part 70 No. T067-5246-00065.

This DaimlerChrysler Corporation Kokomo Transmission Plant consists of the following emission units and pollution control devices:

1. One (1) spreader stoker boiler, identified as boiler 1, segment ID 1, fueled by coal, maximum heat capacity is 47 MMBtu per hour, using a cyclone as control, exhausting to the common stack boiler.
2. One (1) spreader stoker boiler, identified as boiler 2, segment ID 1, fueled by coal, maximum heat capacity is 47 MMBtu per hour, using a cyclone as control, exhausting to the common stack boiler.
3. One (1) spreader stoker boiler, identified as boiler 3, segment ID 1, fueled by coal, maximum heat capacity is 47 MMBtu per hour, using a cyclone as control, exhausting to the common stack boiler.
4. One (1) boiler, identified as boiler 4, segment ID 1, fueled by reclaimed residual oil, and segment ID 2, fueled by natural gas, maximum heat capacity is 90 MMBtu per hour, and exhausting to the common stack boiler.

41. Tinning
42. WWTP Sulfuric Acid Storage
43. Ink usage, identified as ink, segment ID 1.
44. Floor cleaner, identified as MAINTFC, segment ID 1.
45. Multiple individual machining operations, identified as MACH, segment ID 1, consisting of an oil mist from cutting oil, synthetic grinding coolant, and drilling oil, using air washers (scrubbers), and dust collectors as control.
46. Activities or categories not previously identified with emissions less than or equal to insignificant thresholds:

Machining operations consisting of one hundred and five (105) wet machines, identified as Wet Mach, and each machine with maximum air flow rate of 750 actual cubic feet per minute (acfm).

A.4 Part 70 Permit Applicability [326 IAC 2-7-2]

This stationary source is required to have a Part 70 permit by 326 IAC 2-7-2 (Applicability) because:

- (a) It is a major source, as defined in 326 IAC 2-7-1(22);
- (b) It is a source in a source category designated by the United States Environmental Protection Agency (U.S. EPA) under 40 CFR 70.3 (Part 70 - Applicability).

SECTION D.12

FACILITY OPERATION CONDITIONS

Facility Description [326 IAC 2-7-5(15)]:

Activities or categories not previously identified with emissions less than or equal to insignificant thresholds:

Machining operations consisting of one hundred and five (105) wet machines, identified as Wet Mach, and each machine with maximum air flow rate of 750 actual cubic feet per minute (acfm).

(The information describing the process contained in this facility description box is descriptive information and does not constitute enforceable conditions.)

THIS SECTION OF THE PERMIT IS BEING ISSUED UNDER THE PROVISIONS OF 326 IAC 2-1 AND 326 IAC 2-7-10.5, WITH CONDITIONS LISTED BELOW.

Construction Conditions

General Construction Conditions

D.12.1 This permit to construct does not relieve the Permittee of the responsibility to comply with the provisions of the Indiana Environmental Management Law (IC 13-11 through 13-20; 13-22 through 13-25; and 13-30), the Air Pollution Control Law (IC 13-17) and the rules promulgated thereunder, as well as other applicable local, state, and federal requirements.

Effective Date of the Permit

D.12.2 Pursuant to IC 13-15-5-3, this section of this permit becomes effective upon its issuance.

D.12.3 All requirements of these construction conditions shall remain in effect unless modified in a manner consistent with procedures established for modifications pursuant to 326 IAC 2.

Operation Conditions

Emission Limitations and Standards [326 IAC 2-7-5(1)]

D.12.4 Particulate Matter (PM) [326 IAC 6-1-2]

Pursuant to 326 IAC 6-1-2 (Particulate Emission Limitations), each wet machine shall not allow or permit discharge to the atmosphere particulate matter in excess of 0.03 grains per dry standard cubic foot (gr/dscf).

D.12.5 Volatile Organic Compounds (VOC) [326 IAC 8-1-6]

Any change or modification which may increase the potential VOC emissions to 25 tons per year or more from the fluid application to the wet machines covered in this permit must be approved by the Office of Air Quality (OAQ) and be subject to 326 IAC 8-1-6 (General Reduction Requirements) before such change may occur.

Compliance Monitoring Requirements [326 IAC 2-7-6(1)] [326 IAC 2-7-5(1)]

There are no Compliance Monitoring Requirements applicable to this emission unit.

Mail to: Permit Administration & Development Section
Office Of Air Quality
100 North Senate Avenue
P. O. Box 6015
Indianapolis, Indiana 46206-6015

DaimlerChrysler Corporation
P.O. Box 595
Goshen, Indiana 46527

Affidavit of Construction

I, _____, being duly sworn upon my oath, depose and say:
(Name of the Authorized Representative)

1. I live in _____ County, Indiana and being of sound mind and over twenty-one (21) years of age, I am competent to give this affidavit.
2. I hold the position of _____ for _____.
(Title) (Company Name)
3. By virtue of my position with _____, I have personal
(Company Name)
knowledge of the representations contained in this affidavit and am authorized to make
these representations on behalf of _____.
(Company Name)
4. I hereby certify that DaimlerChrysler Corporation, 2401 South Reed Road, Kokomo, Indiana, 46904, completed construction of the three (3) spray booths, the woodworking operation, and boiler on _____ in conformity with the requirements and intent of the construction permit application received by the Office of Air Quality on February 23, 2001 and as permitted pursuant to **Minor Source Modification 067-14232, Plant ID No. 067-00065** issued on _____

Further Affiant said not.

I affirm under penalties of perjury that the representations contained in this affidavit are true, to the best of my information and belief.

Signature

Date

STATE OF INDIANA)
)SS

COUNTY OF _____)

Subscribed and sworn to me, a notary public in and for _____ County and State of
Indiana on this _____ day of _____, 20 _____.
My Commission expires: _____

Signature

Name (typed or printed)

Section 10: Affidavit.wpd 7/00

Indiana Department of Environmental Management Office of Air Quality

Technical Support Document (TSD) for a Minor Source Modification to a Part 70 Operating Permit

Source Background and Description

Source Name:	DaimlerChrysler Corporation
Source Location:	2401 South Reed Road, Kokomo, Indiana 46904
County:	Howard
SIC Code:	3714
Operation Permit No.:	067-6504-00065
Operation Permit Issuance Date:	September 1, 1999
Permit Modification No.:	067-14232-00065
Permit Reviewer:	Adeel Yousuf / EVP

The Office of Air Quality (OAQ) has reviewed a modification application from DaimlerChrysler Corporation relating to the construction and operation of wet machines used in the aluminum parts casting, and the manufacture of various parts for automobile and light duty truck transmissions. The source also requested to amend the responsible official name at the source.

Insignificant Activities for the Modification

The application consists of the following insignificant activity, as defined in 326 IAC 2-7-1(21): Activities or categories not previously identified with emissions less than or equal to insignificant thresholds:

Machining operation consisting of one hundred and five (105) wet machines, identified as Wet Mach, and each machine with maximum air flow rate of 750 actual cubic feet per minute (acfm).

History

On April 4, 2001, DaimlerChrysler submitted an application to the OAQ requesting to add additional wet machines to their existing plant. DaimlerChrysler was issued a Part 70 permit on September 1, 2001.

Source Definition

This aluminum parts casting, and the automobile and light duty transmission manufacturing plant consists of two (2) plants: The Chrysler Kokomo Transmission plant has been combined with DaimlerChrysler Kokomo Casting plant.

- (a) Plant 1 is located at Kokomo Transmission Plant (KTP), 2401 South Reed Road, Kokomo, Indiana 46904; and
- (b) Plant 2 is located at Kokomo Casting Plant (KCP), 1001 East Boulevard, Kokomo, Indiana 46904.

A separate part 70 permit T067-6504-00065 was issued for the DaimlerChrysler Kokomo Transmission Plant, where a determination was that these two (2) plants are one (1) source. This one source determination also applies for PSD purposes. The DaimlerChrysler Kokomo Casting Plant was also issued a separate part 70 permit (T067-5246-00065) solely for administrative purposes.

Existing Approvals

The source was issued a Part 70 Operating Permit (T067-6504-00065) on September 1, 1999. The source has since received the following:

- (a) First Administrative Amendment No.: 067-11399, issued on November 9, 1999; and
- (b) Second Administrative Amendment No.:067-11981, issued April 27, 2000; and
- (c) Third Administrative Amendment No.: 067-13661, issued on March 26, 2000; and
- (d) First Significant Source Modification No.: 067-12243, issued January 4, 2001.

Enforcement Issue

There are no enforcement actions pending.

Recommendation

The staff recommends to the Commissioner that the Minor Source Modification be approved. This recommendation is based on the following facts and conditions:

Unless otherwise stated, information used in this review was derived from the application and additional information submitted by the applicant.

An application for the purposes of this review was received on April 4, 2001.

Emission Calculations

See Appendix A of this document for detailed emissions calculations (two (2) pages).

Potential To Emit Before Controls (Modification)

Pursuant to 326 IAC 2-1.1-1(16), Potential to Emit is defined as “the maximum capacity of a stationary source to emit any air pollutant under its physical and operational design. Any physical or operational limitation on the capacity of a source to emit an air pollutant, including air pollution control equipment and restrictions on hours of operation or type or amount of material combusted, stored, or processed shall be treated as part of its design if the limitation is enforceable by the U. S. EPA.”

Pollutant	Potential To Emit (tons/year)
PM	14.33
PM-10	14.33
SO ₂	0.00
VOC	1.23
CO	0.00
NO _x	0.00

Note: For the purpose of determining Title V applicability for particulates, PM-10, not PM, is the regulated pollutant in consideration.

HAP's	Potential To Emit (tons/year)
Formaldehyde	0.01
TOTAL	0.01

Potential to Emit After Controls for the Modification

The table below summarizes the total potential to emit, reflecting all limits, of the significant emission units.

	Potential to Emit (tons/year)							
Process/facility	PM	PM-10	SO ₂	VOC	CO	NOx	Single HAP	Total HAPs
105 wet machines	14.33	14.33	-	1.23	-	-	0.01	0.01
Total Emissions	14.33	14.33	-	1.23	-	-	0.01	0.01
Total Source (new and existing)	< 25.0	< 15.0	N/A	< 25.0	N/A	N/A	< 10.0	< 25.0

This modification to an existing major stationary source is not major because the emissions increase is less than the PSD significant levels. Therefore, pursuant to 326 IAC 2-2 and 40 CFR 52.21, the PSD requirements do not apply.

Justification for the Modification

The Title V permit is being modified through a Minor Source Modification. This modification is being performed pursuant to 326 IAC 2-7-10.5(d) because the potential to emit PM and PM-10 is less than twenty-five (25) tons per year, but greater than five (5) tons per year. This Minor Source Modification is approval to construct and operate the new emission unit.

County Attainment Status

The source is located in Howard County.

Pollutant	Status
PM-10	attainment
SO ₂	attainment
NO ₂	attainment
Ozone	attainment
CO	attainment
Lead	attainment

- (a) Volatile organic compounds (VOC) and oxides of nitrogen (NO_x) are precursors for the formation of ozone. Therefore, VOC and NO_x emissions are considered when evaluating the rule applicability relating to the ozone standards. Howard County has been designated as attainment or unclassifiable for ozone.

Federal Rule Applicability

- (a) There are no New Source Performance Standards (NSPS)(326 IAC 12 and 40 CFR Part 60) applicable to this source.
- (b) There are no National Emission Standards for Hazardous Air Pollutants (NESHAPs)(326 IAC 14 and 40 CFR Part 63) applicable to this source.

State Rule Applicability - Entire Source

326 IAC 2-6 (Emission Reporting)

This source is subject to 326 IAC 2-6 (Emission Reporting), because it has the potential to emit more than one hundred (100) tons per year of PM, PM-10, CO and NOx. Pursuant to this rule, the owner/operator of the source must annually submit an emission statement for the source. The annual statement must be received by July 1 of each year and contain the minimum requirement as specified in 326 IAC 2-6-4. The submittal should cover the period defined in 326 IAC 2-6-2(8)(Emission Statement Operating Year).

326 IAC 5-1 (Visible Emissions Limitations)

Pursuant to 326 IAC 5-1-2 (Opacity Limitations), except as provided in 326 IAC 5-1-3 (Temporary Exemptions), opacity shall meet the following, unless otherwise stated in this permit:

- (a) Opacity shall not exceed an average of forty percent (40%) any one (1) six (6) minute averaging period as determined in 326 IAC 5-1-4.
- (b) Opacity shall not exceed sixty percent (60%) for more than a cumulative total of fifteen (15) minutes (sixty (60) readings) as measured according to 40 CFR 60, Appendix A, Method 9 or fifteen (15) one (1) minute nonoverlapping integrated averages for a continuous opacity monitor) in a six (6) hour period.

State Rule Applicability - Individual Facilities

326 IAC 2-4.1-1 (New Source Toxics Control)

326 IAC 2-4.1-1 applies to new or reconstructed facilities with potential emissions of any single HAP equal or greater than ten (10) tons per twelve (12) month period and potential emissions of a combination of HAPs greater than or equal to twenty-five (25) tons per twelve (12) month period. This modification is not subject to 326 IAC 2-4.1-1 (New Source Toxics Control) because it has potential single HAP and total HAPs emission of less than 10 and 25 tons per year, respectively.

326 IAC 6-1-2 (Particulate Emission Limitations)

Pursuant to 326 IAC 6-1-2 (Particulate Emission Limitations), one hundred and five (105) wet machines shall not allow or permit discharge to the atmosphere particulate matter in excess of 0.03 grains per dry standard cubic foot (gr/dscf).

326 IAC 6-3-2 (Process Operations)

The process operations at the source are subject to the requirement of 326 IAC 6-1-2. Therefore, pursuant to 326 IAC 6-1-2, the requirements of 326 IAC 6-3-2 do not apply.

326 IAC 8-1-6 (New Facilities, General Reduction Requirements)

Pursuant to 326 IAC 8-1-6, new facilities located anywhere in the state that were constructed on or after January 1, 1980, which have a potential to emit (PTE) VOC at 25 tons or more per year, and which are not otherwise regulated by another provision of Article 8, are subject to the rule requirements. The fluid application to the wet machines is not subject to 326 IAC 8-1-6, because potential VOC emissions of 1.23 tons per year are below 25 tons per year.

326 IAC 8 (Volatile Organic Sources)

There are no other provisions in article 8 that will apply to the wet machining operation.

Compliance Requirements

Permits issued under 326 IAC 2-7 are required to ensure that sources can demonstrate compliance with applicable state and federal rules on a more or less continuous basis. All state and federal rules contain compliance provisions, however, these provisions do not always fulfill the requirement for a more or less continuous demonstration. When this occurs IDEM, OAQ, in conjunction with the source, must develop specific conditions to satisfy 326 IAC 2-7-5. As a result, compliance requirements are divided into two sections: Compliance Determination Requirements and Compliance Monitoring Requirements.

Compliance Determination Requirements in Section D of the permit are those conditions that are found more or less directly within state and federal rules and the violation of which serves as grounds for enforcement action. If these conditions are not sufficient to demonstrate continuous compliance, they will be supplemented with Compliance Monitoring Requirements, also Section D of the permit. Unlike Compliance Determination Requirements, failure to meet Compliance Monitoring conditions would serve as a trigger for corrective actions and not grounds for enforcement action. However, a violation in relation to a compliance monitoring condition will arise through a source's failure to take the appropriate corrective actions within a specific time period.

There are no compliance monitoring requirements applicable to the wet machines.

Conclusion

This modification shall be subject to the conditions of the attached **Part 70 Minor Source Modification Permit No. 067-14232-00065**.

Proposed Permit Changes

Name of the responsible has been changed in section A of the permit.

SECTION A

SOURCE SUMMARY

This permit is based on information requested by the Indiana Department of Environmental Management (IDEM), Office of Air Management Quality (OAMQ). The information describing the source contained in conditions A.1 through A.3 is descriptive information and does not constitute enforceable conditions. However, the Permittee should be aware that a physical change or a change in the method of operation that may render this descriptive information obsolete or inaccurate may trigger requirements for the Permittee to obtain additional permits or seek modification of this permit pursuant to 326 IAC 2, or change other applicable requirements presented in the permit application.

A.1 General Information [326 IAC 2-7-4(c)] [326 IAC 2-7-5(15)]

The Permittee owns and operates machining, cleaning, and heat treating facilities to produce transmissions for use in automobiles and light duty trucks. The DaimlerChrysler Corporation Kokomo Transmission Plant and DaimlerChrysler Corporation Kokomo Casting Plant have been considered a single Title V major source. The combined source ID for the source is 067-00065.

Responsible Official: ~~Kenneth Moore~~ **Joseph A. LaManna**
Source Address: DaimlerChrysler Corporation Kokomo Transmission Plant
2401 S. Reed Road, Kokomo, Indiana 46904
Source Address: DaimlerChrysler Corporation Kokomo Casting Plant
1001 East Boulevard, Kokomo, Indiana 46904
Mailing Address: DaimlerChrysler Corporation, P.O. Box 9007
Kokomo, Indiana 46904-9007

SIC Code: 3714
County Location: Howard
County Status: Attainment for all criteria pollutants
Source Status: Part 70 Permit Program
Major Source, under PSD
Major Source, Section 112 of the Clean Air Act

The one hundred and five (105) wet machines have been added to Section A.2.

A.3 Specifically Regulated Insignificant Activities [326 IAC 2-7-1(21)] [326 IAC 2-7-4(c)]
[326 IAC 2-7-5(15)]

This stationary source also includes the following insignificant activities which are specifically regulated, as defined in 326 IAC 2-7-1(21):

46. Activities or categories not previously identified with emissions less than or equal to insignificant thresholds:

Machining operations consisting of one hundred and five (105) wet machines, identified as Wet Mach, and each machine with maximum air flow rate of 750 actual cubic feet per minute (acfm).

Section D.12 has been added to the permit to include the operation conditions for the proposed one hundred and five (105) wet machines.

SECTION D.12 FACILITY OPERATION CONDITIONS

Facility Description [326 IAC 2-7-5(15)]:

Activities or categories not previously identified with emissions less than or equal to insignificant thresholds:

Machining operations consisting of one hundred and five (105) wet machines, identified as Wet Mach, and each machine with maximum air flow rate of 750 actual cubic feet per minute (acfm).

(The information describing the process contained in this facility description box is descriptive information and does not constitute enforceable conditions.)

THIS SECTION OF THE PERMIT IS BEING ISSUED UNDER THE PROVISIONS OF 326 IAC 2-1 AND 326 IAC 2-7-10.5, WITH CONDITIONS LISTED BELOW.

Construction Conditions

General Construction Conditions

D.12.1 This permit to construct does not relieve the Permittee of the responsibility to comply with the provisions of the Indiana Environmental Management Law (IC 13-11 through 13-20; 13-22 through 13-25; and 13-30), the Air Pollution Control Law (IC 13-17) and the rules promulgated thereunder, as well as other applicable local, state, and federal requirements.

Effective Date of the Permit

D.12.2 Pursuant to IC 13-15-5-3, this section of this permit becomes effective upon its issuance.

D.12.3 All requirements of these construction conditions shall remain in effect unless modified in a manner consistent with procedures established for modifications pursuant to 326 IAC 2.

Operation Conditions

Emission Limitations and Standards [326 IAC 2-7-5(1)]

D.12.4 Particulate Matter (PM) [326 IAC 6-1-2]

Pursuant to 326 IAC 6-1-2 (Particulate Emission Limitations), each wet machine shall not allow or permit discharge to the atmosphere particulate matter in excess of 0.03 grains per dry standard cubic foot (gr/dscf).

D.12.5 Volatile Organic Compounds (VOC) [326 IAC 8-1-6]

Any change or modification which may increase the potential VOC emissions to 25 tons per year or more from the fluid application to the wet machines covered in this permit must be approved by the Office of Air Quality (OAQ) and be subject to 326 IAC 8-1-6 (General Reduction Requirements) before such change may occur.

Compliance Monitoring Requirements [326 IAC 2-7-6(1)] [326 IAC 2-7-5(1)]

There are no Compliance Monitoring Requirements applicable to this emission unit.

Appendix A: Emission Calculations

Company Name: Daimler Chrysler Corporation
Address City IN Zip: 2401 South Reed Road, Kokomo, Indiana 46904
CP: 067-14232
Plt ID: 067-00065
Reviewer: Adeel Yousuf / EVP

Uncontrolled Potential Emissions (tons/year)			
Emissions Generating Activity			
Pollutant	Wet Machines	TOTAL	
PM	14.33	14.33	
PM10	14.33	14.33	
SO2	0.00	0.00	
NOx	0.00	0.00	
VOC	1.23	1.23	
CO	0.00	0.00	
total HAPs	0.01	0.01	
worst case single HAP	(Formaldehyde) 0.01	0.01	
Total emissions based on rated capacity at 8,760 hours/year.			
Controlled Potential Emissions (tons/year)			
Emissions Generating Activity			
Pollutant	Wet Machines	TOTAL	
PM	14.33	14.33	
PM10	14.33	14.33	
SO2	0.00	0.00	
NOx	0.00	0.00	
VOC	1.23	1.23	
CO	0.00	0.00	
total HAPs	0.01	0.01	
worst case single HAP	(Formaldehyde) 0.01	0.01	
Total emissions based on rated capacity at 8,760 hours/year, after control.			

**Appendix A: Emission Calculations
Machining Operations**

Page 2 of 2 TSD App A

Company Name: Daimler Chrysler Corporation
Address City IN Zip: 2401 South Reed Road, Kokomo, Indiana 46904
CP: 067-14232
Plt ID: 067-00065
Reviewer: Adeel Yousuf / EVP
Date: 05/03/2001

A. Potential PM emissions from Wet Machining operation

Number of Wet Machines: 105

Pollutant	Maximum fluid usage per machine (lb/hr)	PM Emission Factor (%)	Potential emission rate per wet machine (lb/hr)	Potential emission rate per wet machine (TPY)	Total Potential emissions for 105 machines (TPY)
PM	0.89	3.5	0.031	0.136	14.326

B. VOC emissions from Wet Machining Operation

Number of Wet Machines: 105

Pollutant	Maximum fluid usage per machine (lb/hr)	PM emission rate (lb/hr)	VOC Content (%)	Potential emission rate per wet machine (lb/hr)	Potential emission rate per wet machine (TPY)	Total Potential emissions for 105 machines (TPY)
VOC	0.89	0.031	8.59%	0.002663	0.011664	1.2247

C. HAP emissions from Wet Machining Operation

Number of Wet Machines: 105

Pollutant	Maximum fluid usage per machine (lb/hr)	VOC Emission Factor (%)	VOC Content (%)	Potential emission rate per wet machine (lb/hr)	Potential emission rate per wet machine (TPY)	Total Potential emissions for 105 machines (TPY)
Formaldehyde	0.89	25	0.01	0.000022	0.000097	0.0102

* Formaldehyde is emitted as both VOC and HAP

D. Potential and Controlled Emissions from Machining Operations

Pollutant	Potential Emissions (lb/hr)	Potential Emissions (TPY)	Controlled Emissions (lb/hr)	Controlled Emissions (TPY)
PM- wet machines	3.27	14.33	3.27	14.33
VOC	0.2800	1.230	0.2800	1.230
HAP	0.0023	0.010	0.0023	0.010

Note: 1) Formaldehyde is emitted as both VOC and HAP

2) All emission factors are provided by the source

METHODOLOGY

Potential Emissions, lbs/hr = Max. Rate (lb/hr) x Emission Factor (%)

Potential Emissions, tons/yr = emissions, lb/hr x 8,760 hrs/day x 1 ton/2,000 lbs.